

# Answer Key • Units 1–3

## Unit 1 (p. 7)

•

1.  $8 - 3 = 5$
2.  $10 - 7 = 3$
3.  $9 - 8 = 1$
4.  $9 - 6 = 3$
5.  $6 + 4 = 10$ ,  $10 - 6 = 4$ ,  
or  $10 - 4 = 6$
6.  $7 + 2 = 9$ ,  $9 - 7 = 2$ ,  
or  $9 - 2 = 7$

## Unit 1 (p. 8)

••

1.  $2 + 8 = 10$ ,  $10 - 8 = 2$ ,  
 $10 - 2 = 8$
2.  $4 + 8 = 12$ ,  $12 - 8 = 4$ ,  
 $12 - 4 = 8$

$$3. 8 + 7 = 15, 15 - 7 = 8, \\ 15 - 8 = 7$$

$$4. 6 + 5 = 11, 11 - 6 = 5, \\ 11 - 5 = 6$$

$$5. 9 + 3 = 12, 12 - 9 = 3, \\ 12 - 3 = 9$$

$$6. 7 + 3 = 10, 10 - 7 = 3, \\ 10 - 3 = 7$$

$$7. 10 + 5 = 15, 15 - 5 = 10, \\ 15 - 10 = 5$$

$$8. 7 + 5 = 12, 12 - 7 = 5, \\ 12 - 5 = 7$$

$$9. 6 + 8 = 14, 14 - 8 = 6, \\ 14 - 6 = 8$$

## Unit 1 (p. 9)

•••

1.  $5 + 7 = 12$ ,  $7 + 5 = 12$ ,  
 $12 - 7 = 5$ ,  $12 - 5 = 7$
2.  $8 + 7 = 15$ ,  $7 + 8 = 15$ ,  
 $15 - 8 = 7$ ,  $15 - 7 = 8$
3.  $7 + 6 = 13$ ,  $6 + 7 = 13$ ,  
 $13 - 7 = 6$ ,  $13 - 6 = 7$
4.  $5 + 9 = 14$ ,  $9 + 5 = 14$ ,  
 $14 - 9 = 5$ ,  $14 - 5 = 9$
5.  $4 + 9 = 13$ ,  $9 + 4 = 13$ ,  
 $13 - 9 = 4$ ,  $13 - 4 = 9$
6.  $7 + 9 = 16$ ,  $9 + 7 = 16$ ,  
 $16 - 9 = 7$ ,  $16 - 7 = 9$
7.  $3 + 9 = 12$ ,  $9 + 3 = 12$ ,  
 $12 - 9 = 3$ ,  $12 - 3 = 9$
8.  $4 + 7 = 11$ ,  $7 + 4 = 11$ ,  
 $11 - 7 = 4$ ,  $11 - 4 = 7$

$$9. 6 + 9 = 15, 9 + 6 = 15 \\ 15 - 6 = 9, 15 - 9 = 6$$

$$10. 8 + 9 = 17, 9 + 8 = 17, \\ 17 - 9 = 8, 17 - 8 = 9$$

$$11. 5 + 6 = 11, 6 + 5 = 11, \\ 11 - 6 = 5, 11 - 5 = 6$$

$$12. 4 + 8 = 12, 8 + 4 = 12, \\ 12 - 8 = 4, 12 - 4 = 8$$

## Unit 1 (p. 10)

### Word Problems

1.  $5 + 7 = 12$ ,  $7 + 5 = 12$   
 $12 - 7 = 5$
2.  $8 + 6 = 14$ ,  $14 - 8 = 6$ ,  
 $14 - 6 = 8$
3. a
4. b

## Unit 2 (p. 12)

•

1.  $5 + 4 = 9$
2.  $9 - 8 = 1$
3.  $7 - 4 = 3$
4.  $8 + 4 = 12$ ,  
 $12 - 2 = 10$

## Unit 2 (p. 13)

••

1.  $12 - 8 = 4$
2.  $9 + 7 = 6$
3.  $16 - 5 = 11$
4.  $13 - 7 = 6$
5.  $11 + 8 = 19$ ,  
 $19 - 2 = 17$
6.  $14 + 3 = 17$ ,  
 $17 - 4 = 13$

## Unit 2 (p. 14)

•••

1.  $14 - 6 = 8$
2.  $8 + 5 = 13$
3.  $9 + 6 = 15$
4.  $10 - 8 = 2$
5.  $6 + 8 = 14$ ,  $14 - 3 = 11$
6.  $16 - 3 = 13$ ,  
 $13 - 2 = 11$
7.  $7 + 2 = 9$ ,  $9 - 4 = 5$
8.  $20 - 6 = 14$ ,  $14 - 7 = 7$

## Unit 2 (p. 15)

### Word Problems

1.  $15 - 7 = 8$
2.  $6 + 5 = 11$ ,  $11 - 3 = 8$
3.  $16 + 3 = 19$
4.  $5 + 7 = 12$ ,  $12 - 8 = 4$
5. a
6. c

## Unit 3 (p. 17)

•

1. odd
2. even
3. even
4. odd
5. even
6. even
7. even
8. even

## Unit 3 (p. 18)

••

1. odd
2. even
3. even
4. odd
5. even
6. even
7. even
8. even
9. even
10. even

## Unit 3 (p. 19)

•••

1. even
2. even
3. odd
4. odd
5. even
6. even
7. even
8. even
9. even
10. even
11. even
12. even

## Unit 3 (p. 20)

### Word Problems

1. 16, even
2. 18, even
3. 19, odd
4. 15, odd
5. b
6. c

# Answer Key • Units 4–7

## Unit 4 (p. 22)

•

1. 4      2. 6  
3. 8      4. 10  
5. 12     6. 12

## Unit 4 (p. 23)

••

1. 6      2. 6  
3. 9      4. 15  
5. 16     6. 12  
7. 12     8. 25

## Unit 4 (p. 24)

•••

1.  $3 + 3 = 6$   
2.  $2 + 2 + 2 = 6$   
3.  $2 + 2 + 2 + 2 = 8$   
4.  $3 + 3 + 3 = 9$   
5.  $4 + 4 + 4 = 12$   
6.  $3 + 3 + 3 + 3 = 12$   
7.  $4 + 4 + 4 + 4 = 16$   
8.  $3 + 3 + 3 + 3 + 3 = 15$   
9.  $5 + 5 + 5 = 15$   
10.  $4 + 4 + 4 + 4 + 4 = 20$

## Unit 4 (p. 25)

### Word Problems

1. 15 dollars  
2. 24 peppers  
3. 36 plants  
4. 50 raisins  
5. c  
6. c

## Unit 5 (p. 27–29)

Check students' work.

## Unit 5 (p. 30)

### Word Problems

1. 3 hundreds, 2 tens, 8 ones  
2. 3 hundreds, 4 tens, 0 ones  
3. 1 hundred, 6 tens, 1 one  
4. 5 hundreds, 0 tens, 9 ones  
5. d  
6. c

## Unit 6 (p. 32)

•

1.  $300 + 40 + 0$ , three hundred forty  
2. 712,  $700 + 10 + 2$ , seven hundred twelve  
3. 300, 400, 500, 600, 700, 800, 900, 1,000  
4. 570, 580, 590, 600  
5. 825, 830, 835

## Unit 6 (p. 33)

••

1. 190,  $100 + 90 + 0$ , one hundred ninety  
2.  $200 + 40 + 9$ , two hundred forty-nine  
3. 628, six hundred twenty-eight  
4.  $834, 800 + 30 + 4$   
5. 600, 700, 800, 900  
6. 490, 500, 510, 520  
7. 525, 530, 535, 540  
8. 660, 670, 680

## Unit 6 (p. 34)

•••

1.  $700 + 30 + 2$ , seven hundred thirty-two  
2. 594, five hundred ninety-four  
3. 609,  $600 + 0 + 9$   
4.  $800 + 10 + 3$ , eight hundred thirteen  
5. 340, 345, 350  
6. 800, 900, 1,000  
7. 770, 780, 790  
8. 460, 465, 470  
9. 750, 850, 950  
10. 990, 995, 1,000

## Unit 6 (p. 35)

### Word Problems

1.  $700 + 60 + 8$ , seven hundred sixty-eight  
2. 470,  $400 + 70 + 0$   
3. 660, 670, 680  
4. 290, 300, 310  
5. 960, 965, 970  
6. 720, 725, 730  
7. 450, 460, 470  
8. 700, 705, 710  
9. 840, 845, 850  
10. 350, 360, 370  
11. d  
12. b

## Unit 7 (p. 37)

•

1. <  
2. >  
3. >  
4. <  
5. >  
6. >

## Unit 7 (p. 38)

••

1. >      2. >  
3. <      4. <  
5. <      6. >  
7. <      8. <  
9. =

## Unit 7 (p. 39)

•••

1. <      2. >  
3. <      4. =  
5. <      6. <  
7. >      8. >  
9. <      10. <  
11. >     12. =

## Unit 7 (p. 40)

### Word Problems

1. Sally      2. Monday  
3. b      4. c

# Answer Key • Units 8–12

## Unit 8 (p. 42)

•

1. 24      2. 32  
3. 32      4. 50  
5. 70      6. 84

## Unit 8 (p. 43)

••

1. 31      2. 33  
3. 92      4. 55  
5. 47      6. 48  
7. 53      8. 60

## Unit 8 (p. 44)

•••

1. 50      2. 39  
3. 31      4. 21  
5. 42      6. 37  
7. 61      8. 53  
9. 70      10. 84  
11. 46      12. 45

## Unit 8 (p. 45)

### Word Problems

1. 20 cards  
2. 38 socks  
3. 26 pennies  
4. 47 cupcakes  
5. c  
6. d

## Unit 9 (p. 47)

•

1. 65      2. 73  
3. 59      4. 49  
5. 90      6. 99

## Unit 9 (p. 48)

••

1. 72      2. 66  
3. 98      4. 80  
5. 81      6. 91  
7. 103      8. 90

## Unit 9 (p. 49)

•••

1. 60      2. 71  
3. 74      4. 81  
5. 94      6. 100  
7. 97      8. 80  
9. 88      10. 80

## Unit 9 (p. 50)

### Word Problems

1. 31  
2. 70  
3. d  
4. b

## Unit 10 (p. 52)

•

1. 162      2. 235  
3. 314      4. 150  
5. 139      6. 202

## Unit 10 (p. 53)

••

1. 233      2. 378  
3. 460      4. 301  
5. 175      6. 46  
7. 579      8. 605

## Unit 10 (p. 54)

•••

1. 647      2. 774  
3. 258      4. 541  
5. 739      6. 823  
7. 788      8. 40  
9. 653      10. 701

## Unit 10 (p. 55)

### Word Problems

1. 160  
2. 535  
3. c  
4. d

## Unit 11 (p. 57)

•

1. 259      2. 241  
3. 457      4. 331  
5. 447

## Unit 11 (p. 58)

••

1. 284      2. 366  
3. 546      4. 877  
5. 898      6. 938  
7. 915      8. 803

## Unit 11 (p. 59)

•••

1. 282      2. 384  
3. 374      4. 519  
5. 513      6. 660  
7. 668      8. 530  
9. 856      10. 533  
11. 374      12. 417

## Unit 11 (p. 60)

### Word Problems

1. 871 toothpicks  
2. 725 paper clips  
3. b  
4. c

## Unit 12 (p. 62)

•

1. 39      2. 64  
3. 7      4. 6  
5. 71      6. 37

## Unit 12 (p. 63)

••

1. 8      2. 8  
3. 6      4. 7  
5. 9      6. 8  
7. 5      8. 7

## Unit 12 (p. 64)

•••

1. 45      2. 22      3. 32  
4. 71      5. 77      6. 61  
7. 56      8. 34      9. 32  
10. 17      11. 75      12. 46

## Unit 12 (p. 65)

### Word Problems

1. 81 crayons  
2. 68 markers  
3. a  
4. c

# Answer Key • Units 13–17

## Unit 13 (p. 67)

•

1. 12      2. 21
3. 19      4. 18
5. 39      6. 55

## Unit 13 (p. 68)

••

1. 11      2. 23
3. 35      4. 20
5. 49      6. 3
7. 46      8. 20
9. 9      10. 38

## Unit 13 (p. 69)

•••

1. 21      2. 22
3. 10      4. 33
5. 31      6. 39
7. 26      8. 29
9. 22      10. 57
11. 36      12. 29

## Unit 13 (p. 70)

### Word Problems

1. 22 hairpins
2. 9 cupcakes
3. c
4. b

## Unit 14 (p. 72)

•

1. 130      2. 213
3. 107      4. 95
5. 171      6. 128

## Unit 14 (p. 73)

••

1. 215      2. 233
3. 724      4. 638
5. 202      6. 445
7. 394      8. 379

## Unit 14 (p. 74)

•••

1. 223      2. 233
3. 285      4. 43
5. 413      6. 425
7. 365      8. 444
9. 605      10. 451
11. 664      12. 378

## Unit 14 (p. 75)

### Word Problems

1. 185 days
2. 333 pages
3. a
4. b

## Unit 15 (p. 77)

•

1. 2 inches
2. 6 inches
3. 5 inches
4. 4 inches

## Unit 15 (p. 78)

••

Answers may vary.

## Unit 15 (p. 79)

•••

Answers may vary.

## Unit 15 (p. 80)

### Word Problems

1. Answers may vary; approximately 7 inches
2. Answers may vary.
3. c

## Unit 16 (p. 82)

•

1. 6 centimeters
2. 13 centimeters
3. 8 centimeters
4. 10 centimeters

## Unit 16 (p. 83)

••

Check students' work.  
Answers may vary.

## Unit 16 (p. 84)

•••

Check students' work.  
Answers may vary.

## Unit 16 (p. 85)

### Word Problems

- Check students' work for Problems 1 and 2.  
Answers may vary.
3. b

## Unit 17 (p. 87)

•

1. 20 inches
2. 15 feet
3. 14 meters

## Unit 17 (p. 88)

••

1. 2 meters
2. 30 meters
3. 13 yards
4. 18 feet
5. 3 meters

## Unit 17 (p. 89)

•••

1. 11 yards
2. 19 feet
3. 15 feet
4. 17 inches
5. 6 meters
6. 1 centimeter

## Unit 17 (p. 90)

### Word Problems

1. 9 inches
2. 12 centimeters
3. 9 feet
4. 2 centimeters
5. d
6. c

# Answer Key • Units 18–21

## Unit 18 (p. 92)

•

1. cross out 12 o'clock
2. cross out 7 o'clock
3. cross out 12:00
4. cross out 9 o'clock
5. cross out analog  
4:55
6. cross out 5 o'clock

## Unit 18 (p. 93)

••

1. 1:30
2. 4:30
3. 10:30
4. 1:00
5. 2:00
6. 6:45
7. 8:55
8. 12:05

## Unit 18 (p. 94)

•••

1. 12:25
2. 6:10
3. 10:35
4. 3:50
5. 4:10
6. 11:50
7. 4:40
8. 7:35
9. 2:25
10. 10:05
11. 3:20
12. 12:05

## Unit 18 (p. 95)

### Word Problems

1. third clock
2. second clock
3. c
4. d

## Unit 19 (p. 97)

•

1. 13¢
2. 33¢
3. 45¢
4. 40¢
5. \$1 and 3¢

## Unit 19 (p. 98)

••

1. 21¢
2. 28¢
3. 26¢
4. 47¢
5. 21¢
6. 42¢
7. 100¢
8. \$2 and  
11¢

## Unit 19 (p. 99)

•••

1. \$1.41
2. \$0.65
3. \$3.01
4. \$2.06
5. \$1.60
6. \$0.41
7. \$0.40
8. \$1.26

## Unit 19 (p. 100)

### Word Problems

1. 32¢
2. 65¢
3. d
4. a

## Unit 20 (p. 102)

•

1. 46
2. 5
3. 3
4. 47

## Unit 20 (p. 103)

••

- Check students' work.
1. 7
  2. 10

## Unit 20 (p. 104)

•••

- Check students' work.
1. 9
  2. 5
  3. 9

## Unit 20 (p. 105)

### Word Problems

1. Check students' work.
2. 18
3. 17
4. d
5. c

## Unit 21 (p. 107)

•

1. 14
2. 20
3. 4
4. 6

## Unit 21 (p. 108)

••

- Check students' work.
1. 15
  2. 12
  3. 2
  4. 7

## Unit 21 (p. 109)

•••

1. Check students' work.
2. 2
3. 9
4. 17
5. Check students' work.
6. 2
7. 8
8. 0

## Unit 21 (p. 110)

### Graph Practice

- Check students' work.

# Answer Key • Units 22–23

## Unit 22 (p. 112)

•

1. 3, 3   2. 4, 4  
3. 5, 5   4. 6, 6  
5. 4, 4   6. 8, 8

## Unit 22 (p. 113)

••

1. triangle   2. rectangle  
3. pentagon   4. hexagon  
5. cube   6. parallelogram

## Unit 22 (p. 114)

•••

Check students' work.

## Unit 22 (p. 115)

### Word Problems

Check students' work.

## Unit 23 (p. 117)

•

Check students' work.

## Unit 23 (p. 118)

••

Check students' work.

## Unit 23 (p. 119)

•••

Check students' work.

## Unit 23 (p. 120)

### Math Practice

Check students' work.

# Answer Key • Fluency Practice

### p. 121

- |                                                                 |                                                                 |                                                                 |                                                                  |
|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|
| 1. $5 + 7 = 12$ , $7 + 5 = 12$ ,<br>$12 - 5 = 7$ , $12 - 7 = 5$ | 4. $5 + 9 = 14$ , $9 + 5 = 14$ ,<br>$14 - 5 = 9$ , $14 - 9 = 5$ | 7. $3 + 9 = 12$ , $9 + 3 = 12$ ,<br>$12 - 3 = 9$ , $12 - 9 = 3$ | 10. $8 + 9 = 17$ , $9 + 8 = 17$ ,<br>$17 - 8 = 9$ , $17 - 9 = 8$ |
| 2. $7 + 8 = 15$ , $8 + 7 = 15$ ,<br>$15 - 8 = 7$ , $15 - 7 = 8$ | 5. $4 + 9 = 13$ , $9 + 4 = 13$ ,<br>$13 - 4 = 9$ , $13 - 9 = 4$ | 8. $4 + 7 = 11$ , $7 + 4 = 11$ ,<br>$11 - 4 = 7$ , $11 - 7 = 4$ | 11. $5 + 6 = 11$ , $6 + 5 = 11$ ,<br>$11 - 5 = 6$ , $11 - 6 = 5$ |
| 3. $6 + 7 = 13$ , $7 + 6 = 13$ ,<br>$13 - 6 = 7$ , $13 - 7 = 6$ | 6. $7 + 9 = 16$ , $9 + 7 = 16$ ,<br>$16 - 7 = 9$ , $16 - 9 = 7$ | 9. $6 + 9 = 15$ , $9 + 6 = 15$ ,<br>$15 - 6 = 9$ , $15 - 9 = 6$ | 12. $4 + 8 = 12$ , $8 + 4 = 12$ ,<br>$12 - 4 = 8$ , $12 - 8 = 4$ |

### p. 122

1. 32   2. 8  
3. 28   4. 15  
5. 8   6. 6  
7. 18   8. 37  
9. 47   10. 64  
11. 74   12. 69  
13. 23   14. 23

### p. 123

1. 21   2. 22  
3. 10   4. 33  
5. 31   6. 39  
7. 26   8. 29  
9. 22   10. 57  
11. 36   12. 29

### p. 124

1. even   2. even  
3. odd   4. even  
5. odd   6. even  
7. even   8. even  
9. even   10. odd  
11. odd   12. even

### p. 125

1. 60   2. 71  
3. 74   4. 81  
5. 94   6. 100  
7. 97   8. 80  
9. 88   10. 80

### p. 126

1. 99   2. 72  
3. 90   4. 98  
5. 100   6. 75  
7. 94   8. 103  
9. 98   10. 96

### p. 127

1. <   2. <  
3. <   4. >  
5. =   6. <  
7. <   8. <  
9. <   10. >  
11. >   12. >

### p. 128

1. <   2. >  
3. <   4. >  
5. >   6. =  
7. <   8. <  
9. >   10. >  
11. <   12. <

### p. 129

1. 784   2. 898  
3. 637   4. 450  
5. 470   6. 670  
7. 936   8. 965  
9. 543   10. 617  
11. 1,078   12. 871  
13. 450   14. 646

### p. 130

1. 850   2. 764  
3. 811   4. 48  
5. 959   6. 468  
7. 588   8. 381

9. 603   10. 315  
11. 305   12. 483  
13. 584   14. 914

### p. 131

1. 420   2. 340  
3. 409   4. 346  
5. 172   6. 264  
7. 524   8. 349

9. 945   10. 327  
11. 344   12. 767  
13. 286   14. 109